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Patent [19]

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[54] METHOD AND APPARATUS FOR PURIFICATION

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[51] Int. CL⁶ B01D05386 ; B01J03502; C02F00130; C02F00172**[57] ABSTRACT**

PROBLEM TO BE SOLVED: To provide a method for improving the irradiation ratio of light to a photocatalyst, for elevating purification efficiency, and for purifying sewage and a large amount of industrial waste such as flue gas of an incinerator and a purification apparatus for the method.

SOLUTION: A purification apparatus has an inflow surface 5 having an inflow ports 7 into which a raw material 9 is introduced, an outflow surface 6 having outflow ports 8 from which the raw material 9 is discharged, holes 3 for connecting the inflow ports 7 with the outflow ports 8, a light transmitting porous body 2 which incident light enters across the extension direction of the holes 3, and a photocatalyst which is placed on the inflow surface 5 and the outflow surface 6 in the porous body and on the inner wall surfaces of the holes 3 and activated by the incident light.

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